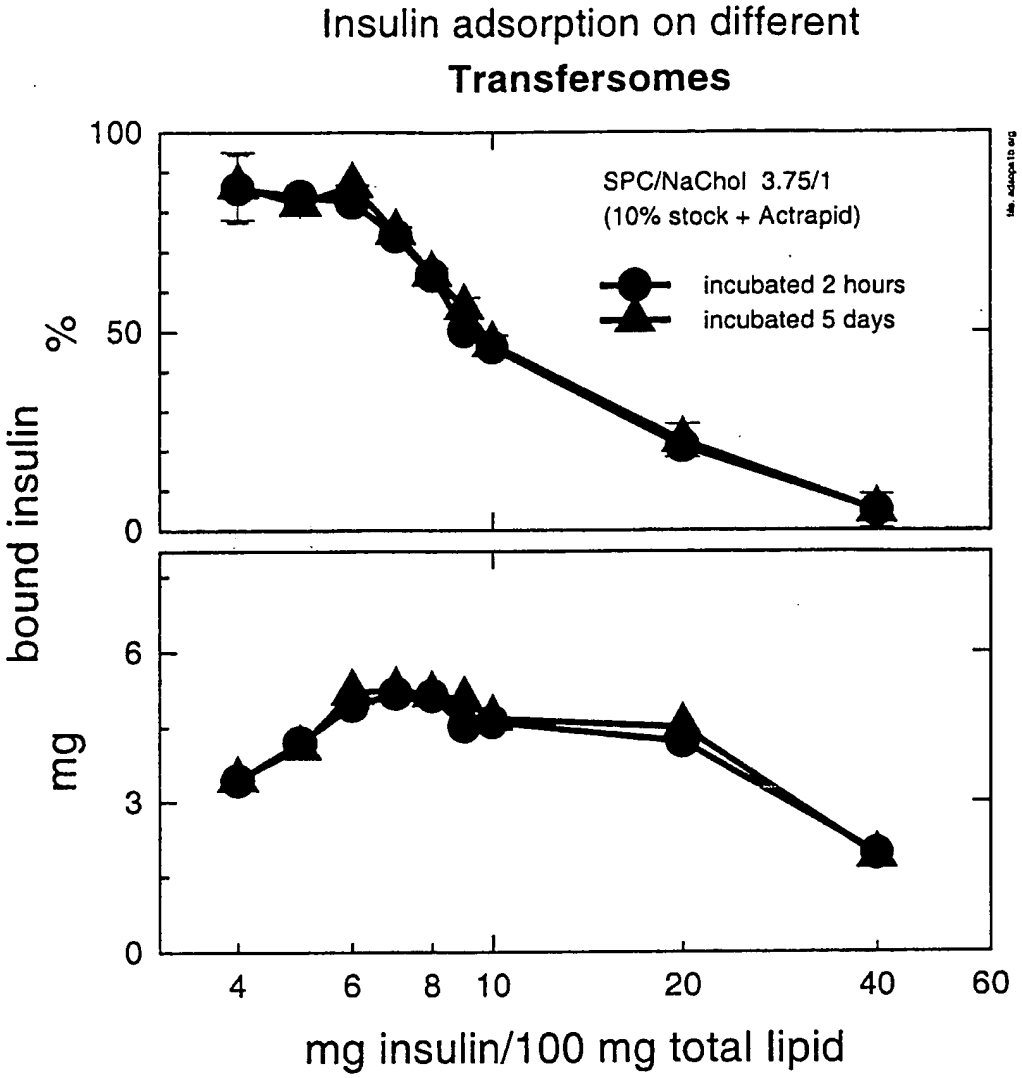


Fig. 1

e.g. examples 1-27, A

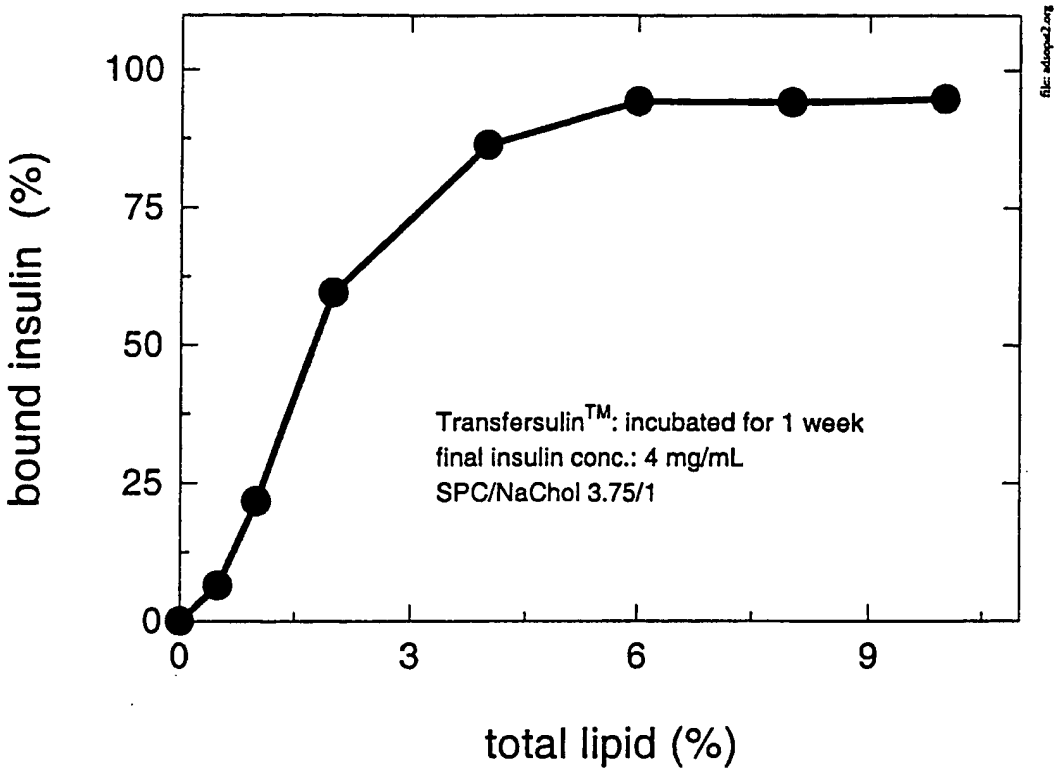


Fig. 2

e.g. examples 1-27, B

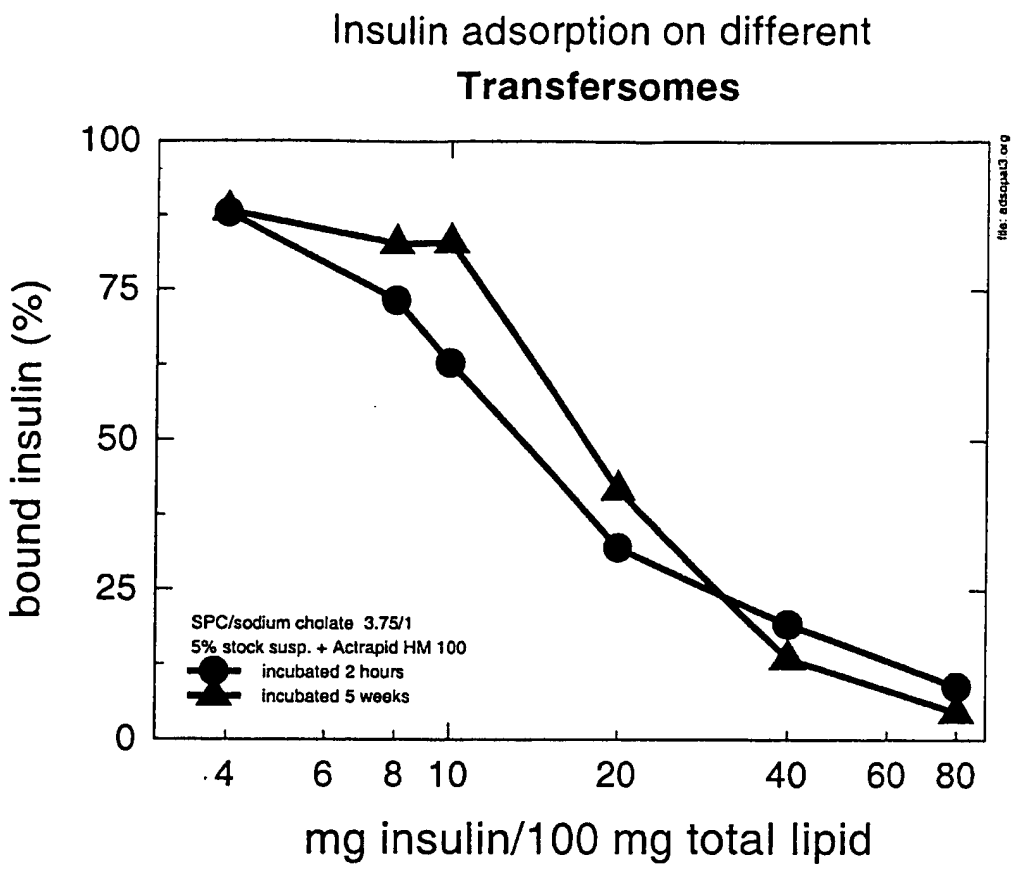


Fig. 3

e.g example 1-27, C

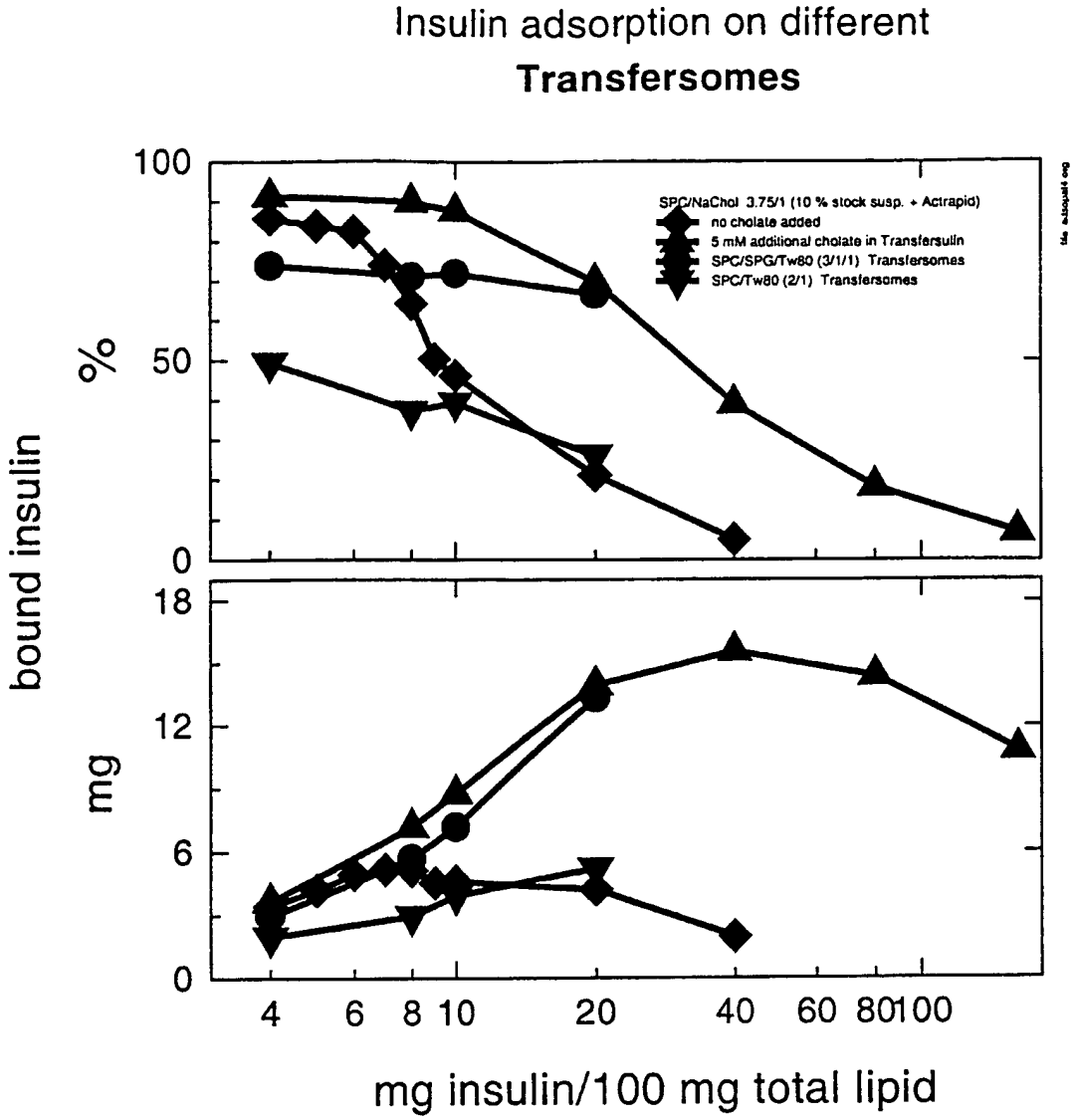


Fig. 4

e.g example 46-59

Insulin adsorption to different
Transfersomes

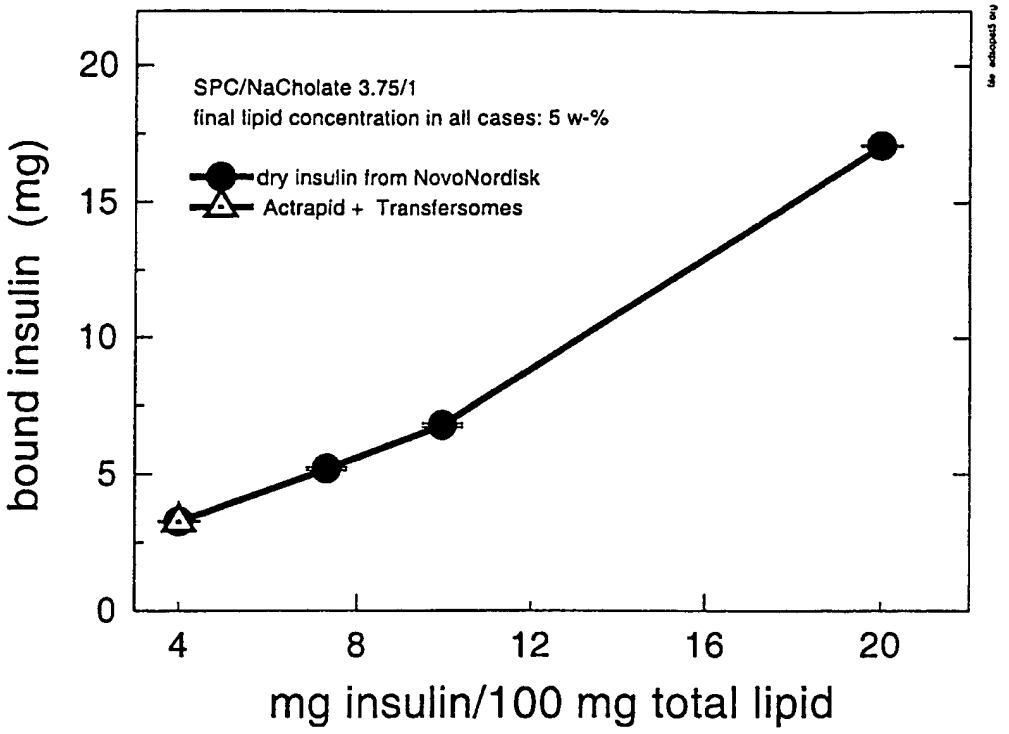


Fig. 5

examples 72-76

Insulin adsorption on different

Transf rsomes

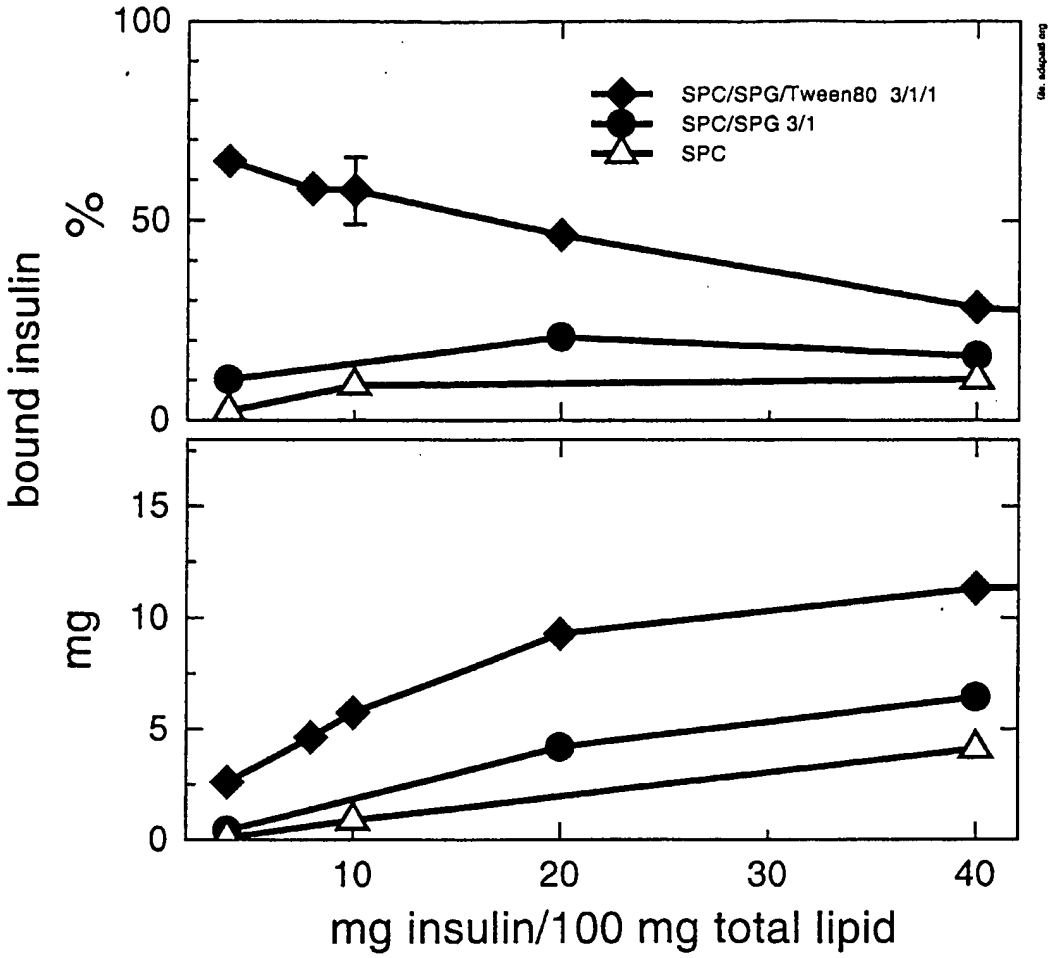


Fig. 6

example 77-92

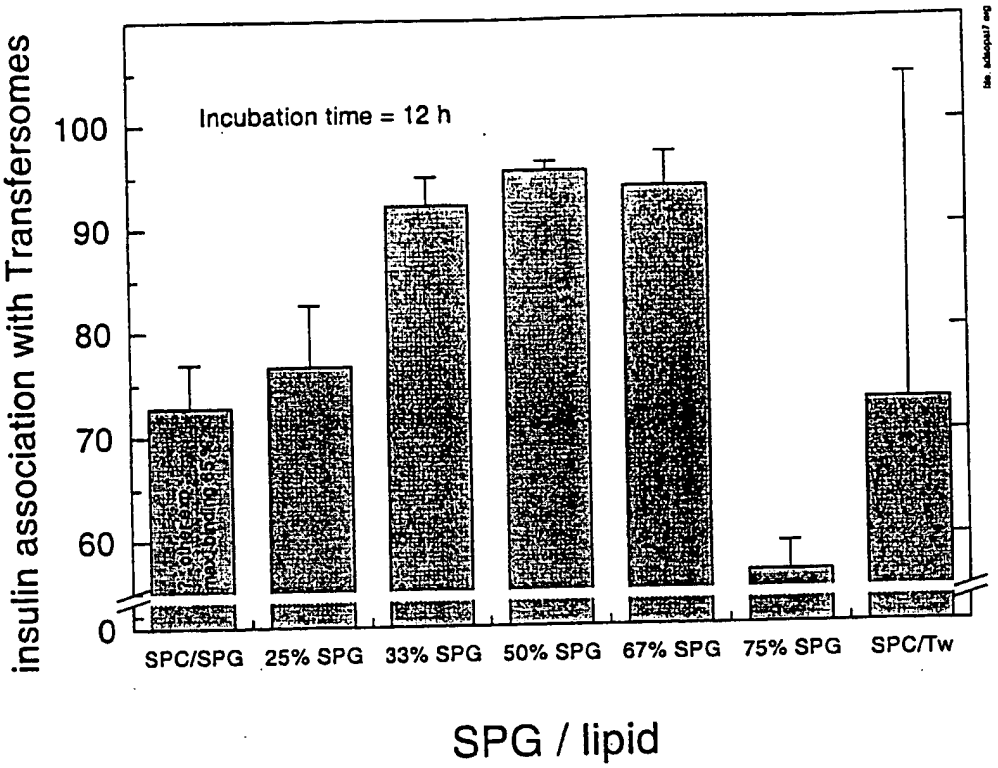


Fig. 7

examples 96-98

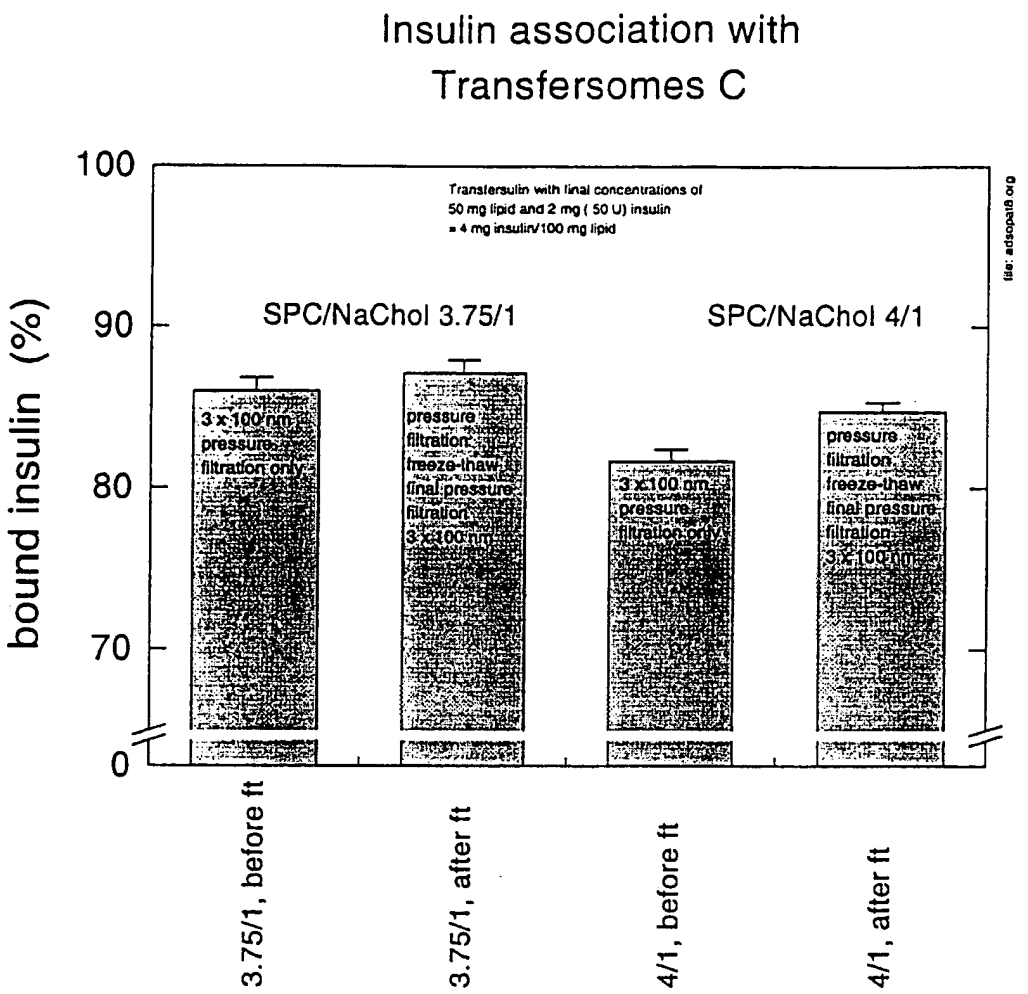
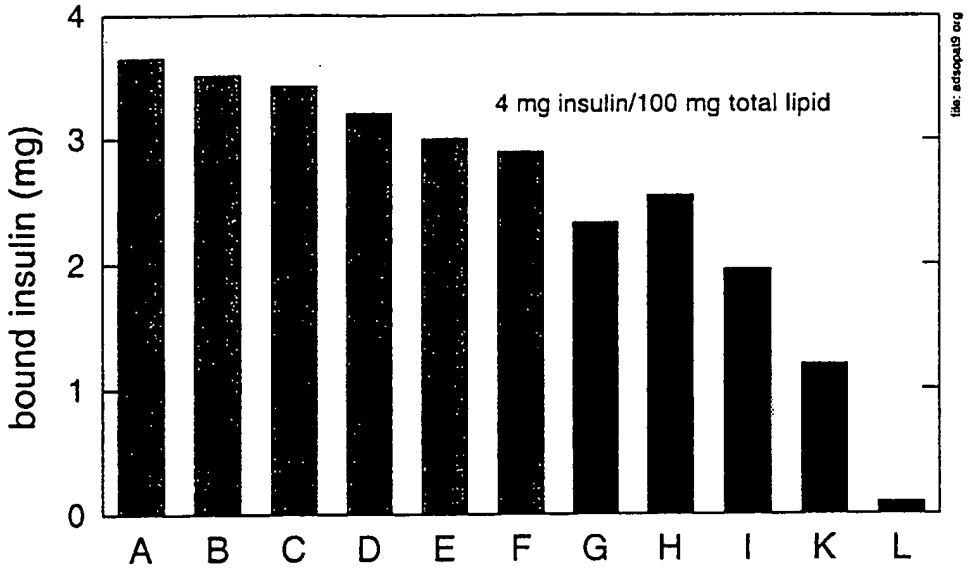


Fig. 8

examples 99-100

insulin association with Transfersomes™



A: SPC/NaCholate in cholate buffer + Actrapid™
B: SPC/NaCholate, 5 % + Actrapid
C: SPC/NaCholate, 10 % + Actrapid
D: SPC/SPG/Tween80 (3/1/1) + Actrapid
E: SPC/NaCholate + lyophilized human insulin in buffer
F: SPC/NaCholate + Velasulin (porcine insulin)
G: SPC/Tween 80 (2/1) + Actrapid, incubated for 5 weeks
H: SPC/Tween 80 (2/1) + Actrapid, incubated for 4 days
I: SPC/Tween 80 (2/1) + Actrapid, incubated for 3 hours
K: SPC/Tween 80 (2/1) + Actrapid, incubated for 2 hours
L: SPC (liposomes), 10 % stock susp.

Fig. 9

selected, representative, results

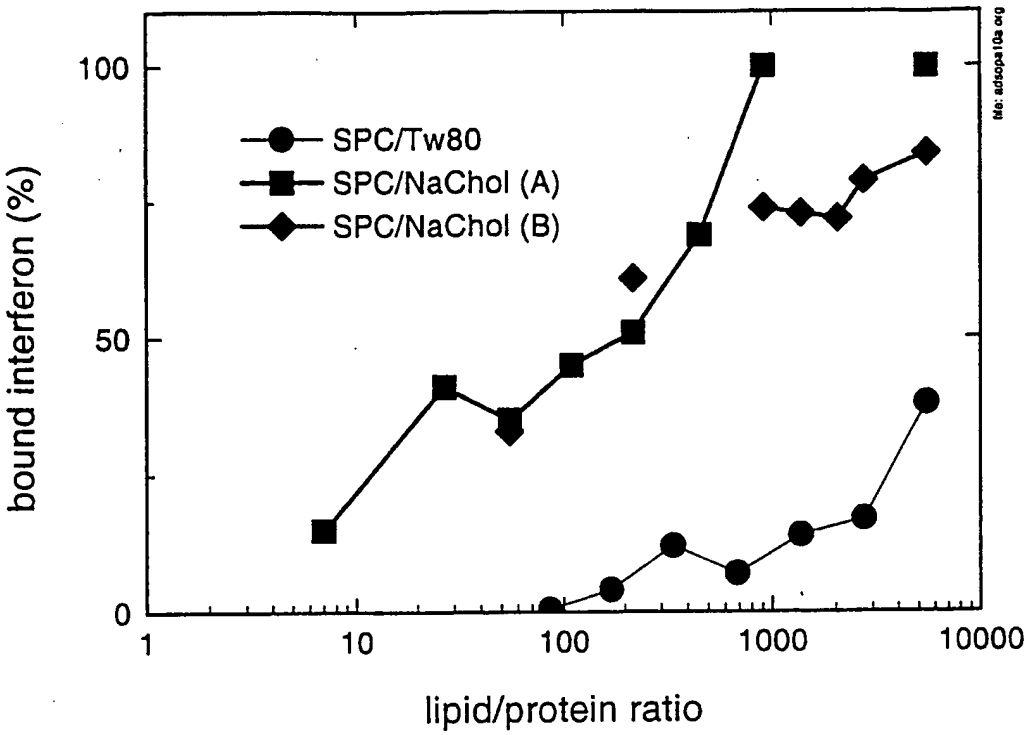

100
50
0
bound interferon (%)
SPC/Tw80
SPC/NaChol (A)
SPC/NaChol (B)
1
10
100
1000
10000
lipid/protein ratio

Figure 10

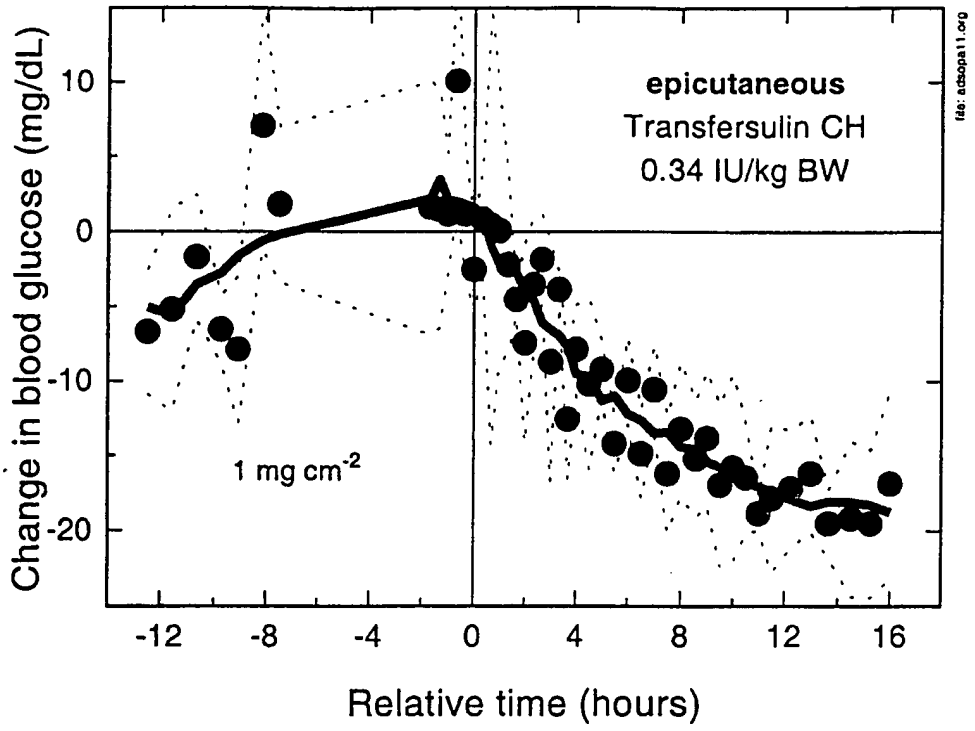

epicutaneous
Transfersulin CH
0.34 IU/kg BW
1 mg cm-2
Change in blood glucose (mg/dL)
10
0
-10
-20
-12
-8
-4
0
4
8
12
16
Relative time (hours)
file: adsopa11.org

Figure 11

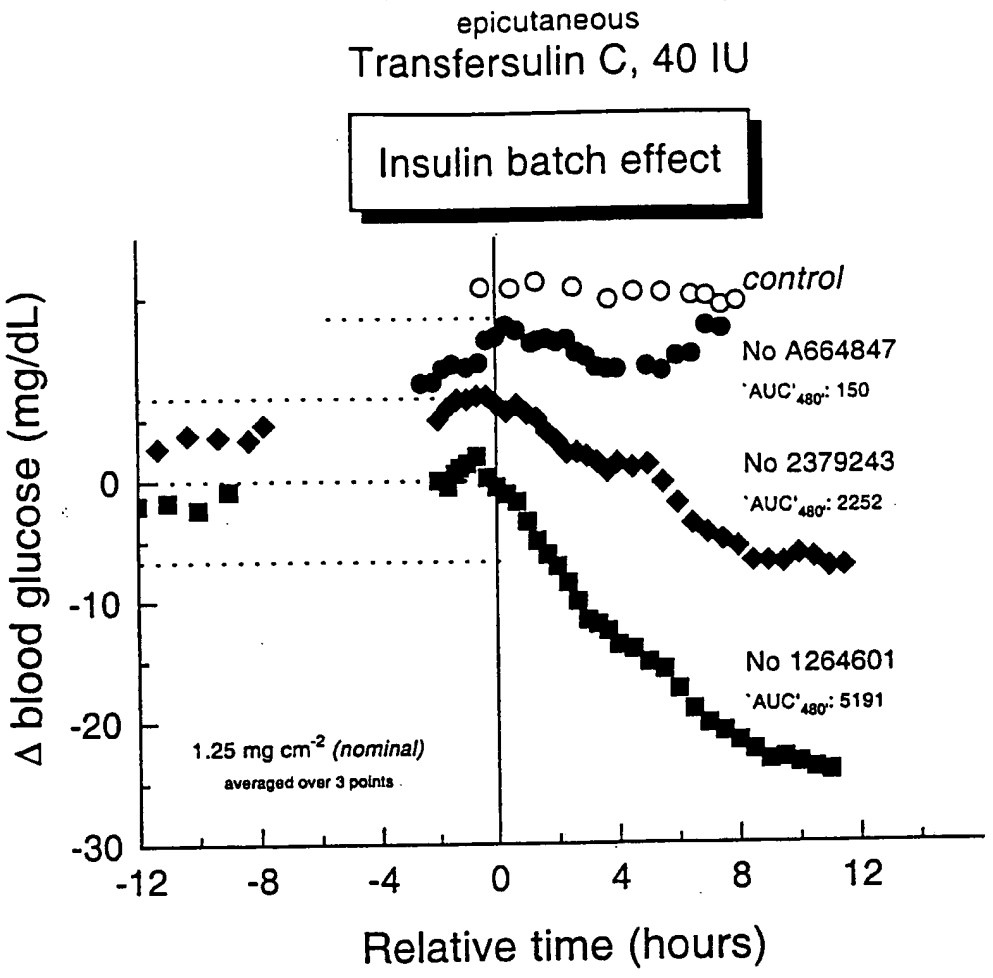

epicutaneous
Transfersulin C, 40 IU
Insulin batch effect
control
No A664847
'AUC'480: 150
No 2379243
'AUC'480: 2252
No 1264601
'AUC'480: 5191
1.25 mg cm-2 (nominal)
averaged over 3 points
Δ blood glucose (mg/dL)
0
-10
-20
-30
-12
-8
-4
0
4
8
12
Relative time (hours)

Figure 12